

SWP Weekly Water Quality Summary

February 24 to March 3, 2010

Electrical Conductivity: Concentrations increased at Harvey O. Banks Pumping Plant (HBP) and Vallecitos, but decreased Check 41 and Barker Slough from February 24 to March 3, 2010. Concentrations ranged from 198 to 465 $\mu\text{S}/\text{cm}$ (119 to 279 mg/L), below the Article 19 Monthly Average Objective of 440 mg/L (733 $\mu\text{S}/\text{cm}$). As of March 3, 2010, the lowest concentration of 198 $\mu\text{S}/\text{cm}$ occurred at Check 41, while the highest concentration of 465 $\mu\text{S}/\text{cm}$ occurred at HBP. As of March 3, 2010, the EC concentration at HBP increased 384 to 465 $\mu\text{S}/\text{cm}$.

Bromide*: Concentrations exceeded the California Bay Delta Authority (CBDA) Objective of 0.05 mg/L at all locations except at Check 41. Concentrations ranged from 0.05 to 0.21 mg/L . As of March 3, Check 41 had the lowest concentration of 0.05 mg/L , while the highest concentration of 0.21 mg/L occurred at HBP. The average daily bromide concentration at HBP was 0.21 mg/L as of March 3, 2010.

* Bromide concentrations are calculated values using linear regression equations using EC concentrations and are not as accurate as bromide concentrations from laboratory analysis.

Turbidity: This week turbidity levels decreased at HBP and Barker Slough, but increased at Check 41 and Vallecitos. Turbidity levels ranged from 3.5 to 64.0 NTU during the week. As of March 3, 2010, the lowest level of 3.9 NTU occurred at Check 41, while the highest level of 52.8 NTU occurred at Barker Slough. Turbidity levels at HBP decreased from 60.4 NTU to 10.6 NTU as of March 3, 2010.

Dissolved Organic Carbon (DOC): Concentrations decreased slightly from 8.2 to 7.4 mg/L at HBP, but increased from 6.4 to 6.8 mg/L at Check 13 and from 1.6 to 1.8 mg/L at Edmonston, as of March 3, 2010.

Taste and Odor Compounds: MIB and geosmin concentrations in the SWP remain low, ranging from non-detect to 9 ng/L at Clifton Court Inlet, HBP, Del Valle Check 7, Check 13, Check 41, Check 66 and Silverwood Lake as of March 3, 2010.

Ground water pump-ins to the California Aqueduct from February 24 to March 3, 2010 totaled 11,013 AF. The break down of the total volume was:

- Arvin Edison Water Storage District = 3,369 AF
- Kern Water Bank Authority (who operate the Kern Water Bank Canal) = 337 AF
- Kern County Water Agency (who operate the Cross Valley Canal) = 7,166 AF
- Semitropic (2&3) Water Storage District = 101 AF

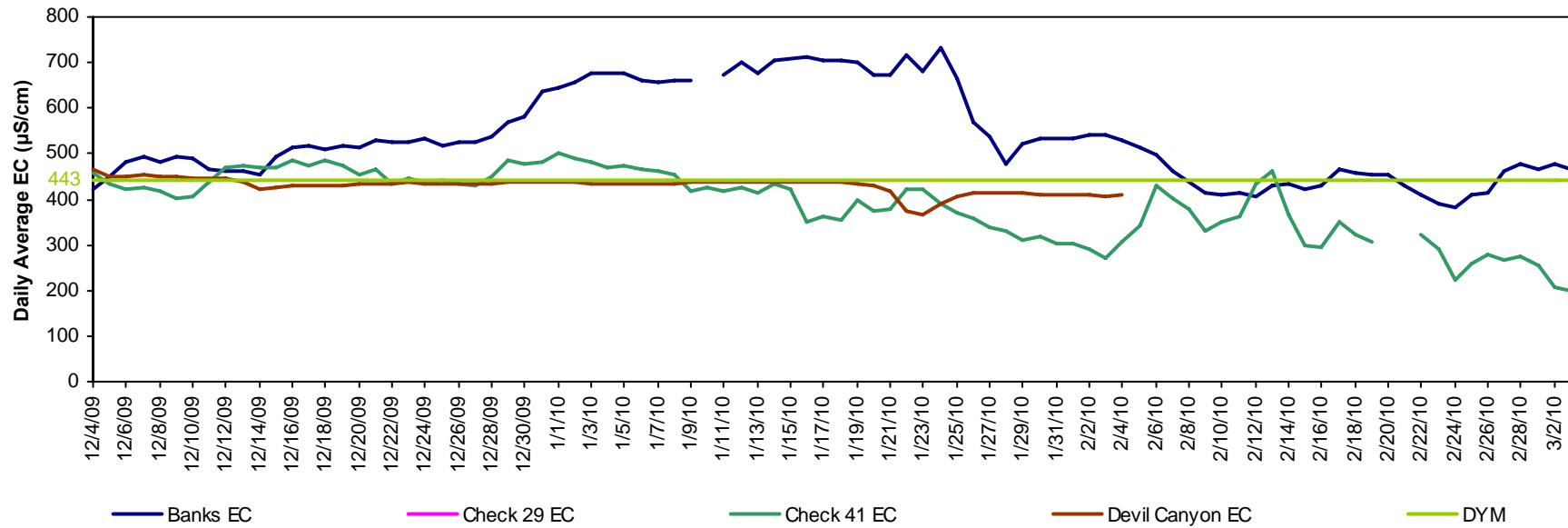
As of March 3, 2010, no data were available for Devil Canyon and Check 29 due to malfunctioning instruments and the water quality station upgrades currently underway.

The intent of the weekly water quality (WQ) summary is to acquaint contractors, scientists and interested parties with the status of water quality in the State Water Project (SWP).

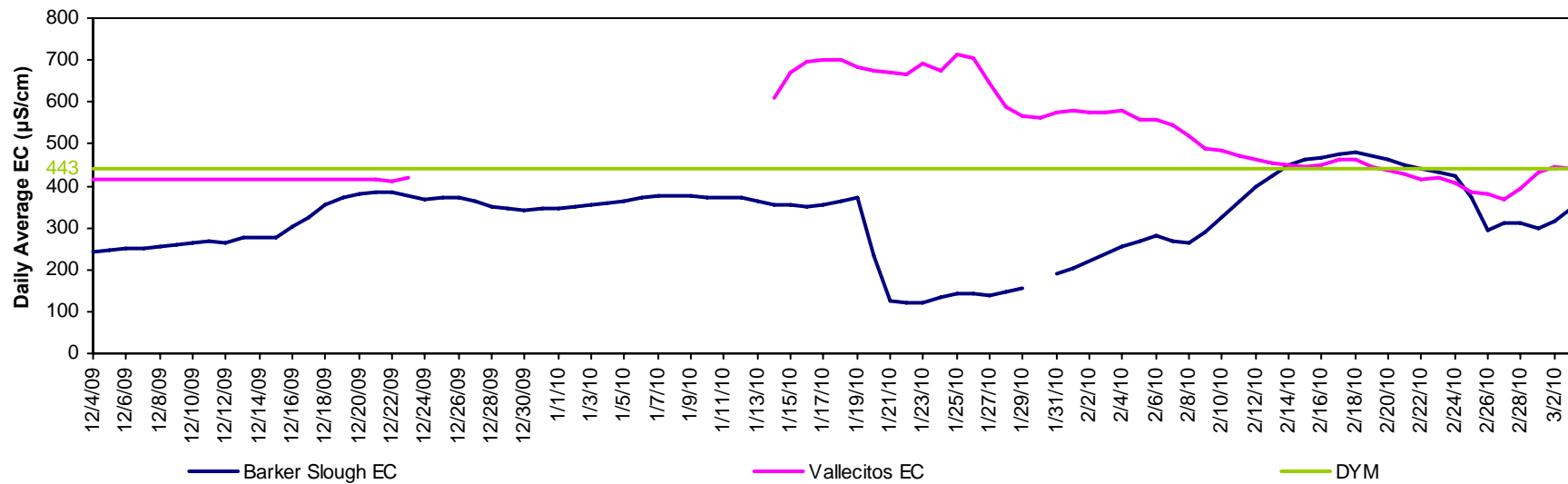
Your comments, questions and suggestions are welcome and can be directed to Cindy Garcia @ 916-653-7213, or Austine Eke @ 916-653-7227. To view WQ data from the automated stations along the SWP, visit: http://www.water.ca.gov/swp/waterquality/AutostationData/Autostation_map.cfm, and click on a station name on the map to link to the station's data on the California Data Exchange Center (CDEC) website.

To view the Edmonston's daily AF pumping data, visit: www.water.ca.gov. Click on the "State Water Project" tab, and click on the "Operations Control" link. Look under the "Project-Wide Operations" header for the "Dispatcher's Daily Water Report."

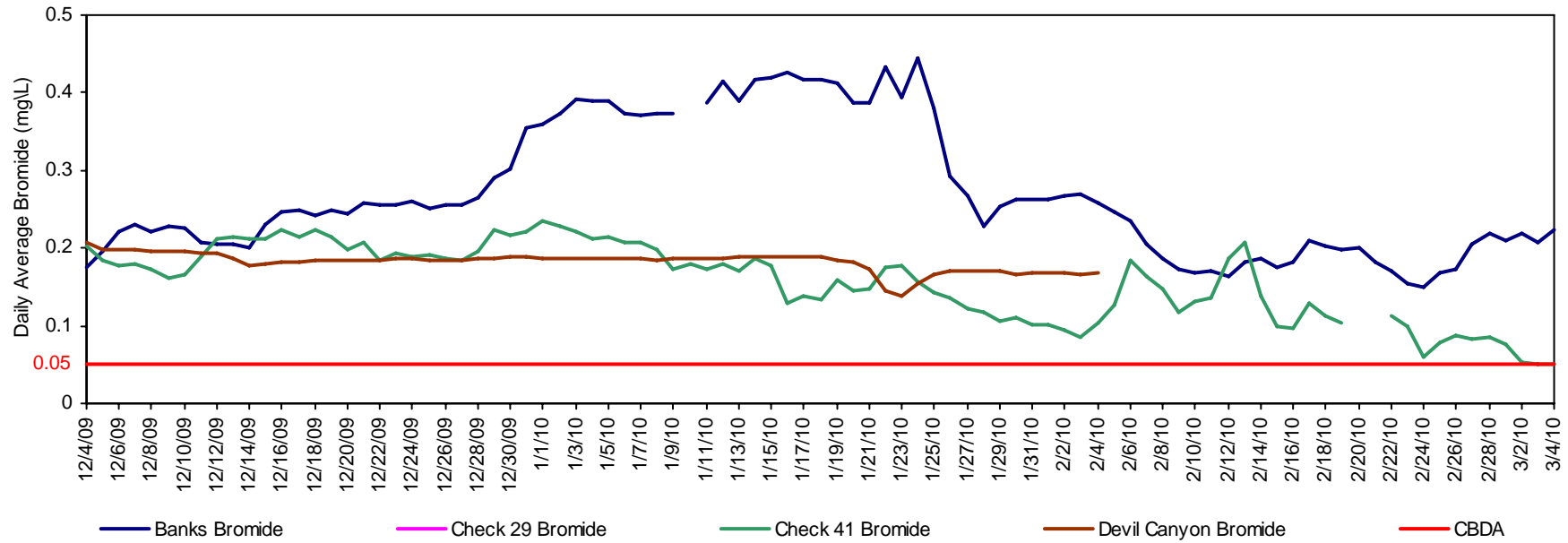
California Aqueduct - Electrical Conductivity



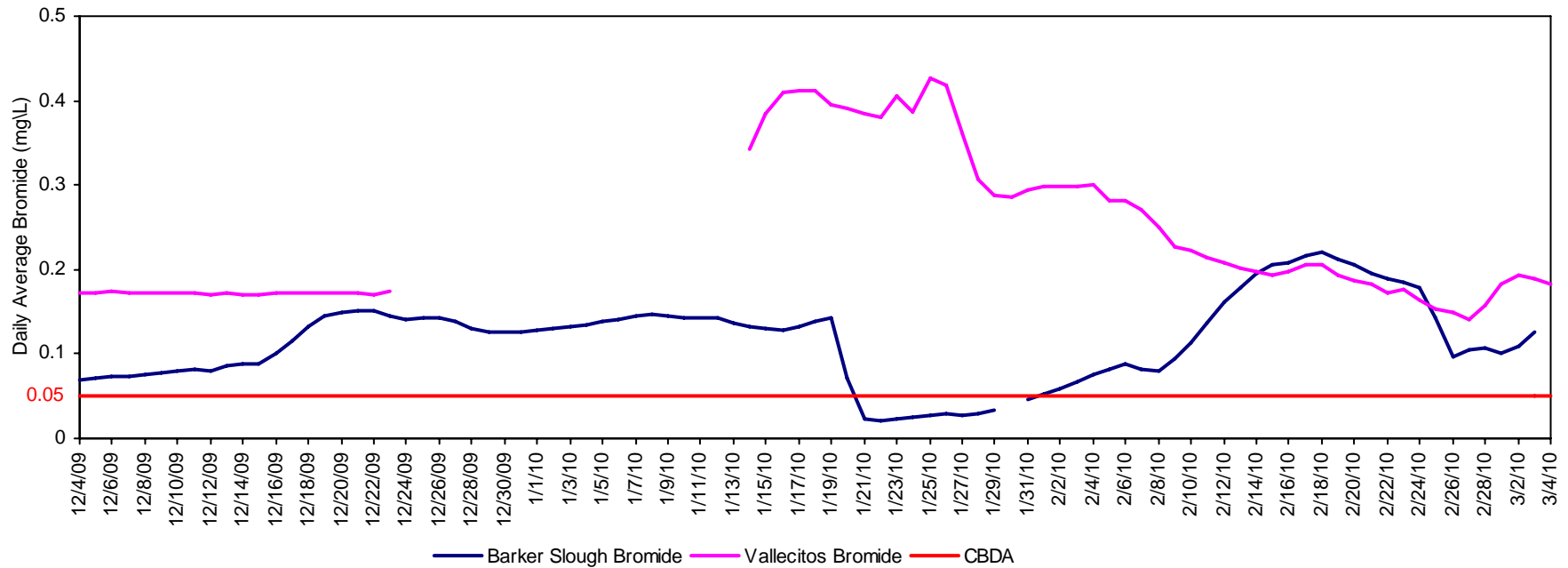
North and South Bay Aqueduct - Electrical Conductivity



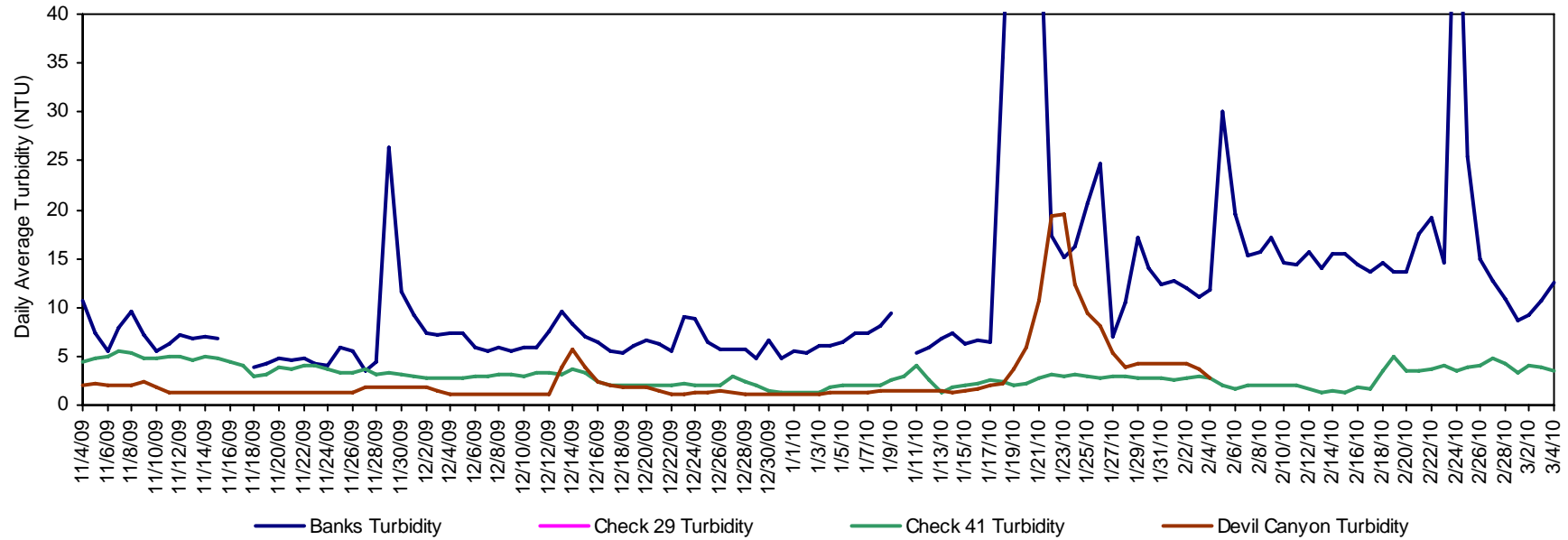
California Aqueduct - Calculated Bromide



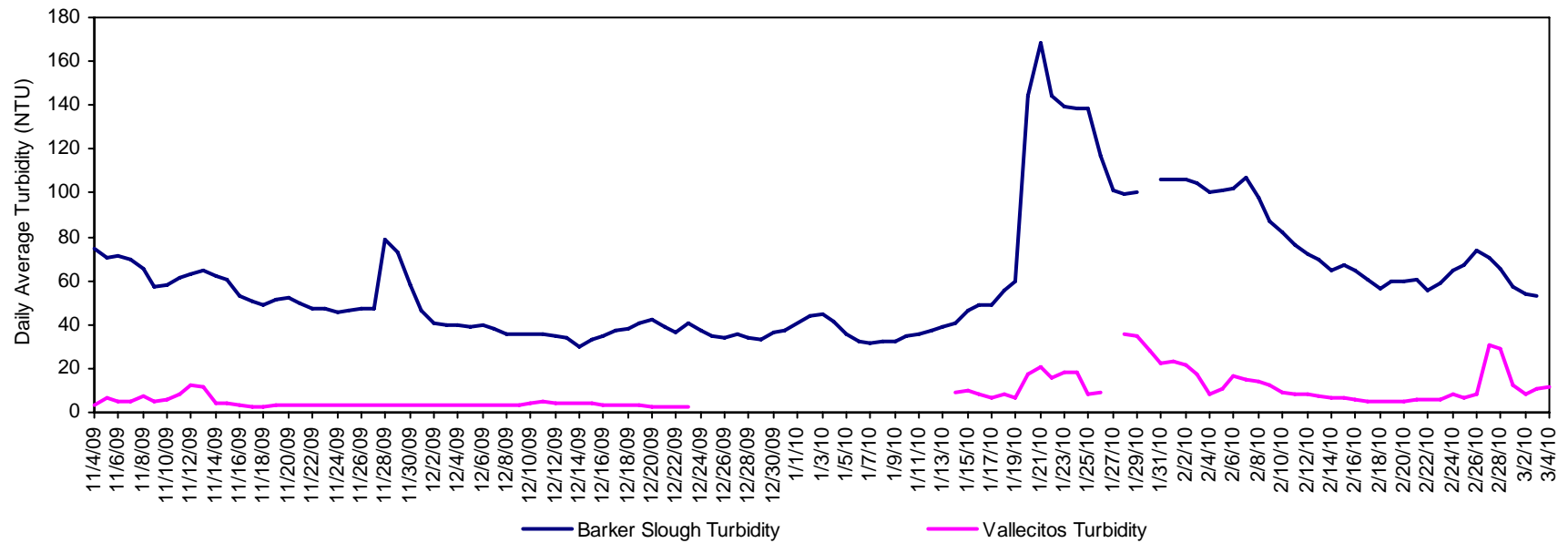
North and South Bay Aqueduct - Calculated Bromide



California Aqueduct - Turbidity



North and South Bay Aqueduct - Turbidity



California Aqueduct Calculated Dissolved Organic Carbon

